COLORADO CROPS THAT DEPEND ON ANIMAL POLLINATORS FOR FRUIT AND SEED PRODUCTION[i]

Pollinator is defined as an animal, mostly insect, which facilitates sexual reproduction in plants.

POLLINATORS ARE ESSENTIAL FOR PLANT REPRODUCTION		
Crop	**Latin name**	**Pollinator examples**
Cantaloupe	*Cucumis melo*	Honey bees, bumble bees, solitary bees
Pumpkin, Squash, Zucchini	*Cucurbita spp.*	Honey bees, bumble bees, solitary bees, stingless bees
Watermelon	*Citrullus lanatus*	Honey bees, bumble bees, solitary bees

POLLINATORS MAY GREATLY INCREASE THE PRODUCTION OF PLANT PARTS THAT HUMANS CONSUME OR USE, BUT ARE NOT ESSENTIAL FOR PLANT REPRODUCTION		
Crop	**Latin Name**	**Pollinator examples**
Alfalfa seed	*Medicago sativa*	Leaf cutter bees, honey bees
Apple	*Malus domestica*	Honey bees, bumble bees, solitary bees, hover flies
Apricot	*Prunus ameniaca*	Honey bees, bumble bees, solitary bees
Canola	*Brassica napus*	Honey bees, bumble bees, solitary bees, hover flies
Cherry, sour	*Prunus cerasus*	Honey bees, bumble bees, solitary bees, flies
Cucumber	*Cucumis sativus*	Honey bees, bumble bees, solitary bees
Hemp seed	*Cannabis sativa*	Honey bees
Pear	*Pyrus communis*	Honey bees, bumble bees, solitary bees, flies
Pepper, Chile, Bell	*Capsicum spp*	Honey bees, bumble bees, stingless bees, hover flies
Plum	*Prunus domestica*	Honey bees, bumblebees, solitary bees, flies
Raspberry	*Rubus spp.*	Honey bees, bumble bees, solitary bees, hover files
Rose hips	*Rosa spp.*	Honey bees, bumble bees, carpenter bees, solitary bees, hover flies.
Sunflower	*Helianthus annuus*	Honey bees, bumble bees, solitary, bees, stingless bees
Tomato	*Lycopersicon esculentum*	pollinators like bumble bees are important in greenhouse production, but less so in open fields
Crop	***Latin Name***	**Pollinator examples**

DO NOT DEPEND ON POLLINATORS, BUT RESEARCH INDICATES AN INCREASE IN SEED PRODUCTION/BREEDING IF POLLINATORS VISIT FLOWERS		
Crop	**Latin name**	**Pollinator examples**
Bean, Green and Dry	*Phaseolus spp*	Honey bees, bumble bees, thrips
Cabbage /Cauliflower	*Brassica spp*.	Honey bees, solitary bees
Carrot seed	*Daucus carota*	Flies, solitary bees, honey bees
Garlic	*Allium sativum*	Honey bees, solitary bees, flies
Onion	*Allium cepa*	Honey bees, solitary bees, flies
Peach	*Prunus persica*	Honey bees, bumble bees, solitary bees, flies. Palisade Peaches except for a few varieties are self-fertile and do not need pollinators.
Potato	*Solanum tuberosum*	
Strawberry	*Fragaria spp.*	Honey bees, stingless bees, bumble bees, solitary bees, hover flies

DO NOT DEPEND ON POLLINATORS, CROP IS EITHER WIND POLLINATED OR SELF- POLLINATING	
Barley	*Hordeum spp.*
Beets, sugar	*Beta vulgaris*
Corn/Maize	*Zea mays*
Flax seed	*Linum usitatissimum*
Grapes	*Vitus vinifera*
Oats	*Avena spp.*
Pea	*Pisum sativum*
Quinoa	*Chenopodium quinoa*
Rhubarb	*Rheum spp.*
Rye	*Secale cereal*
Spinach	*Spinacia olearacea*
Triticale	*Triticale sp.*
Wheat	*Triticum spp.*

[i] Klein, A. M., Vaissiere, B.E. Cane, J.H., Stefffan-Dewenter, I. Cunningham, S. A., Kremen, C, and Tscharntke, T. Importance of pollinators in changing landscapes for world crops. Proc. R. Soc. B (2007) 274,303-313.